Language Training System

User manual

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Preamble

This chapter provides general information for the work with document.

Printing House Conventions

Sample of an entry	Comments on the use
USER MANUAL	To highlight documents which there are references to
LTS Master	To highlight, in a printed document, names of this document sections
Remote Control	To highlight functions, LTS interface elements, etc. described in the document
`Server.exe`	To highlight messages, commands, files and other Windows OS information
<*Current OS HDD drive*>*\Program Files\LTS*>	To highlight a path to the menu, file, etc
<OK>	To highlight button names
Administrator	To highlight flag names
“Master”	To highlight, in a printed document, names (of a application, , etc.)

1. General

1.1 Descriptions

Language Training System (***LTS***) is software for creating of multimedia lingua center, intended for foreign language studying, speech and grammatical practice improvement.

Enhanced list of LTS features based on computer platform provides teacher with abnormal perspectives according to data representation, communication with students and implementation of up-to-date teaching methods.

LTS provides following functionalities:

- up to 32 client places (students);
- personal communication with each student (listen/view/show/messaging);
- personal and group dialogues (pairs, threes, fours, conference);
- personal and group data presentation (audio/video/text/charting);
- self-studying mode (operating with two-ways player);
- personal and group speech recording;
- teacher' or student' display screen transfer to other computers;
- students displays overview;
- student computers remote control (include blocking and list of run applications);
- roll-call include logging with further printing;
- file exchanging with folders data synchronization;
- web browsing with safe using and follow me modes;
- WLAN operating without limitations in functionality;
- supported operating systems: Windows XP, Windows Vista, Windows 7. Supporting of Linux has status TBD.

1.2. Technical requirements

1. LTS Master working station requirements

- Personal computer with following characteristics
  Intel Core Duo 1.7 GHz or better
  Memory 1Gb or more
  HDD 20Gb or more*
  CD/DVD-ROM or RW
  LAN adapter
  USB ports
  Integrated video and sound adapters
  PCI slot for additional sound adapter installation**
  PCI-e or AGP slot for additional video adapter installation***
  Operating system: Windows XP or Windows Vista or Windows 7

- Headset
- Keyboard
- Mouse or trackball

*-HDD recommended size for convenient files storage, recordings etc
**-additional sound adapter is required in case if external cassette player (or another analogue device with linear output) will be connected to LTS;
***-additional video adapter is required to provide two-displays operating mode.

2. LTS Client working station requirements

- Personal computer with following characteristics
  Intel Celeron 1.7GHz or better
  Memory 512Mb or more
  HDD 10Gb or more*
  CD/DVD-ROM
  LAN adapter
  USB ports
  Integrated video and sound adapters
  Operating system: Windows XP or Windows Vista or Windows 7

- Headset
- Keyboard
- Mouse or trackball

*-HDD recommended size for convenient files storage, recordings etc

3. Networks switch

Network switch with following characteristics should be used:

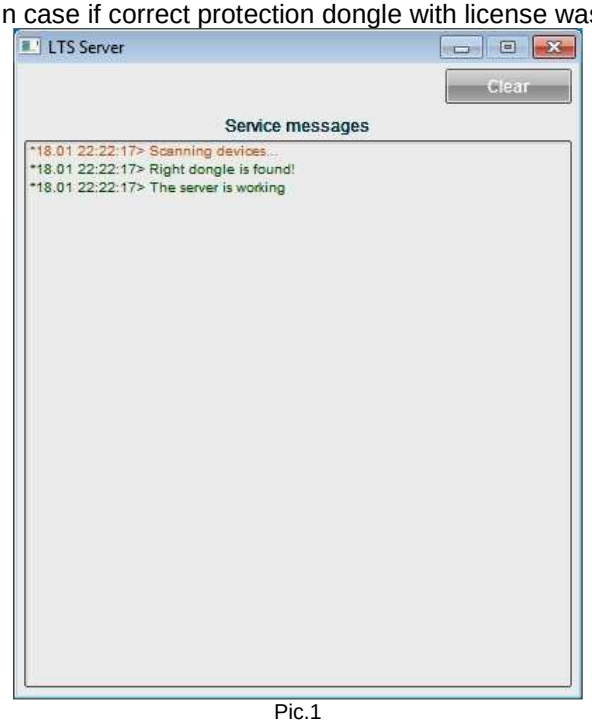
- 8, 16 or more ports depends on quantity of client stations
- capacity is 100 Mbit/sec

4. Set of communication cables

CAT5 cables with RJ45 plugs should be used.
Length of cables is depending on distance between **LTS Master** and **LTS Client** working stations.

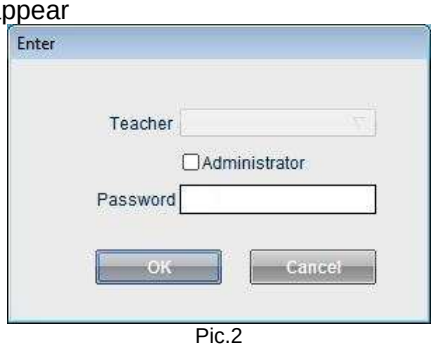
2. Application LTS Master

Run **LTS Server** by double click on "Server" icon located on the desktop or *Server.exe* file located on path: <C:\ProgramFiles\LTS-Server>
The following window will appear in case if correct protection dongle with license was found by application



Pic.1

Run **LTS Master** application by double click on "Master" icon located on the desktop or *Master.exe* file located on path: <C:\ProgramFiles\LTS-Master>
The following authorization window will appear



Pic.2

2.1. Modes

There are two modes available in **LTS Master** application:

- administrative mode
- operative mode

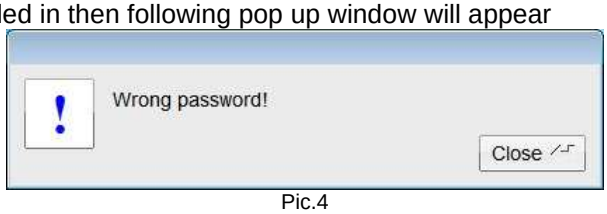
Attention:
It is compulsory to run and adjust product at first start in administrative mode like it is described in document "**INSTALLATION MANUAL**"

2.1.1 Administrative mode

Check flag *Administrator*, then enter administrative password and press button <OK>

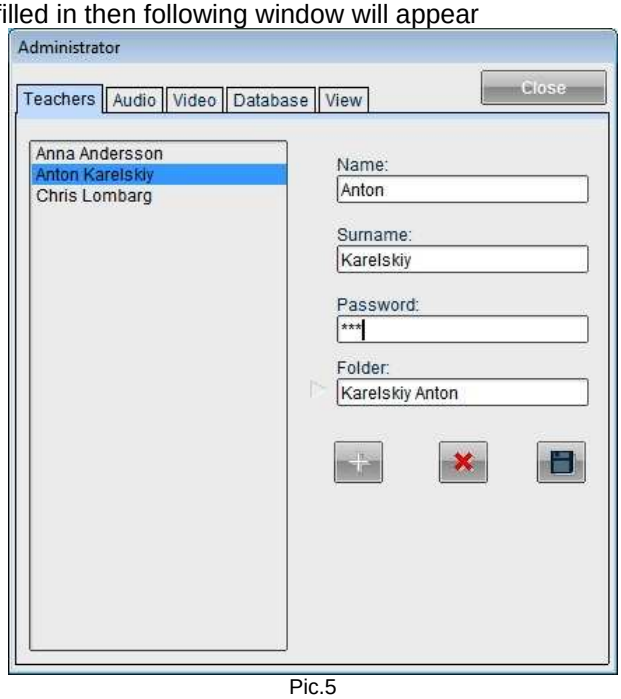
Pic.3

In case if wrong password was filled in then following pop up window will appear



Pic.4

In case if correct password was filled in then following window will appear



Pic.5

Choose window Teachers.

Press button and fill in **Name**, **Surname** and **Password** in sufficient fields.

Press button and recommended name of folder which to be used for teacher data recordings is shown.

Press button and teacher details are added into data base.

In case if teacher details are under correcting please choose it in vertical list, make manual corrections of name and folder name and then press button .

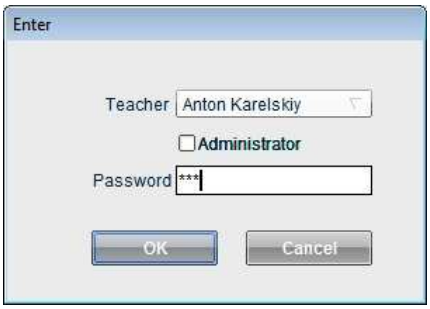
Choose teacher and press button in case if teacher's details should be deleted.

Press button <Exit> for leaving this mode.

Adjustment of settings for windows **Audio, Video, Data base** and **View** are described in document "**INSTALLATION MANUAL**".

2.1.2 Operative mode

Log in to **LTS Master** application with teaches rights. Choose name in drop down list, enter password and then press button <OK>



Pic6

Add students into data base by pressing menu **Properties** and then in drop down menu choose **Students**

Pic.7

Press button and fill in **Name** and **Surname** in sufficient fields.
Press button and recommended name of folder which to be used for student data recordings is shown.

Check flag *Own*, if it wants to see this student in own students list.

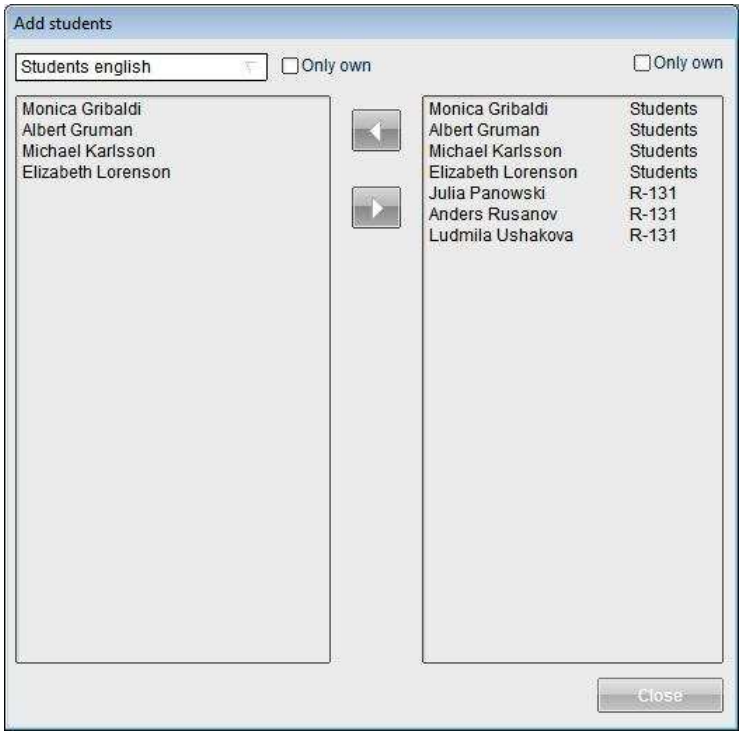
Press button and student details are added into data base

In case if student details are under correcting please choose it in vertical list, make manual corrections of name and folder name and then press button .

In case if limited list of students is required to be visible check flag *Show Only Own* and student details which were marked as *Own* will be shown.

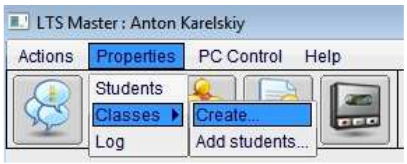
Choose student and press button in case if student's details should be deleted.

Press button <Exit> for leaving this window



Pic.8

Create classes in the data base by pressing menu **Properties** and then in drop down menu choose **Classes** and then **Create**



Pic.9

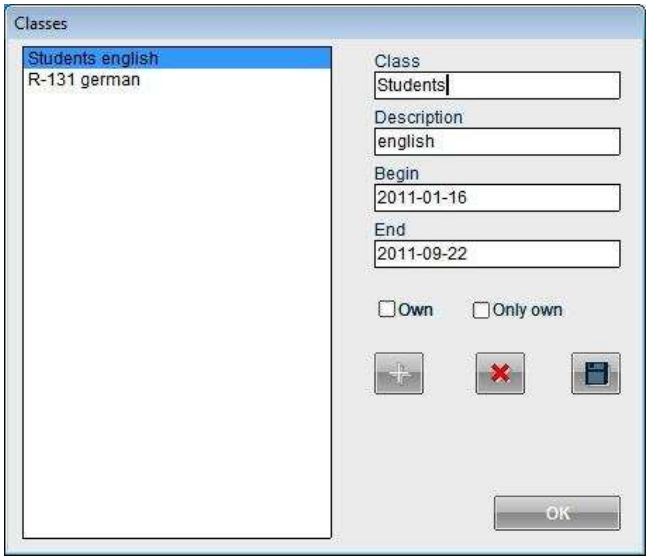
Press button and fill in **Class name**, **Descriptions**, **Start** and **End** of studying period in sufficient fields.

Check flag *Own*, if it wants to see this class in own classes list.

Choose **Class** and press button and these details are added into data base.

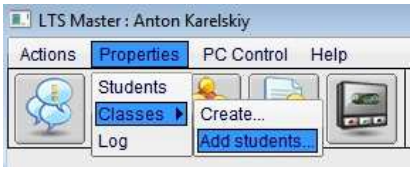
In case if limited list of classes is required to be visible check flag *Show Only Own* and classes details which were marked as *Own* will be shown.

Choose class and press button in case if class' details should be deleted.



Pic.10

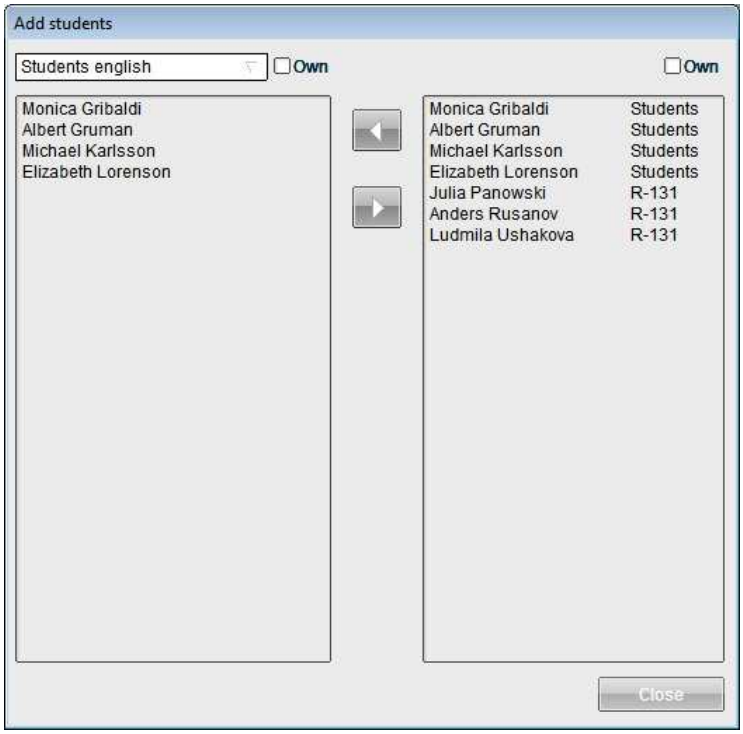
Add students into class by pressing menu **Properties** then in drop down menu choose **Classes** and then **Add students**



Pic.11

In opened window choose **Class** where students should be added. Check left flag *Only Own* in case if limited list of classes is required to be visible. Check right flag *Only Own* in case if limited list of students is required to be visible

Choose student in right list, press button and then student is added into chosen class. Add all students then press button <Exit> for leaving window. In case if student should be removed from chosen class, choose this student in left list and then press button .

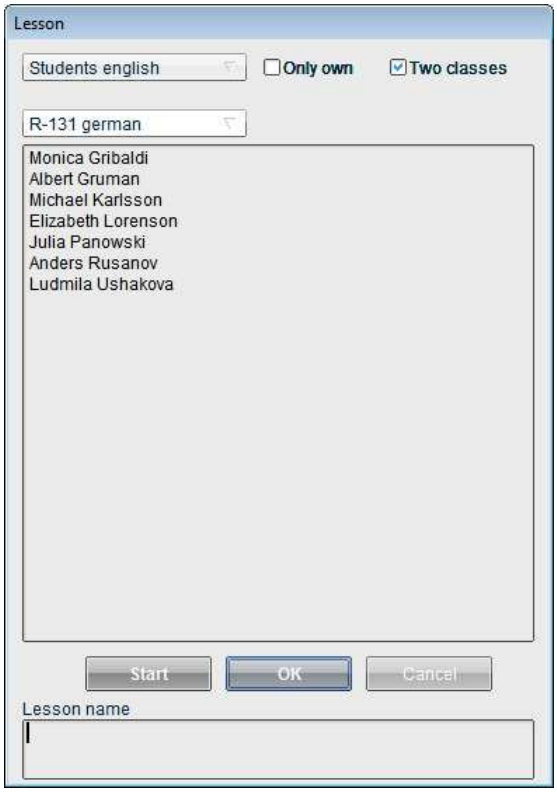


Pic.12

Each lesson could be started according to following sequence: choose menu **Action**s then in drop down submenu choose **Start lesson**

Pic.13

In opened window choose class, which is required to be started. Check flag *Only Own* if limited list of classes should be shown.
In case if working with two classes is required then check flag *Two classes* and choose second class from drop down list. Common list of students will be shown under classes



Pic.14

Press button <Start> for roll-call process running.
There is pop up window will be shown on the **LTS Client** application computers, where students should choose name from drop down list and then press button <OK>.
As far as student name is chosen and confirmed, then this information is visible in roll-call students list and sufficient students are identified like **OK**. Record about student presence is saved to data base.
Add descriptions about lesson, if necessary and then press button <OK>.

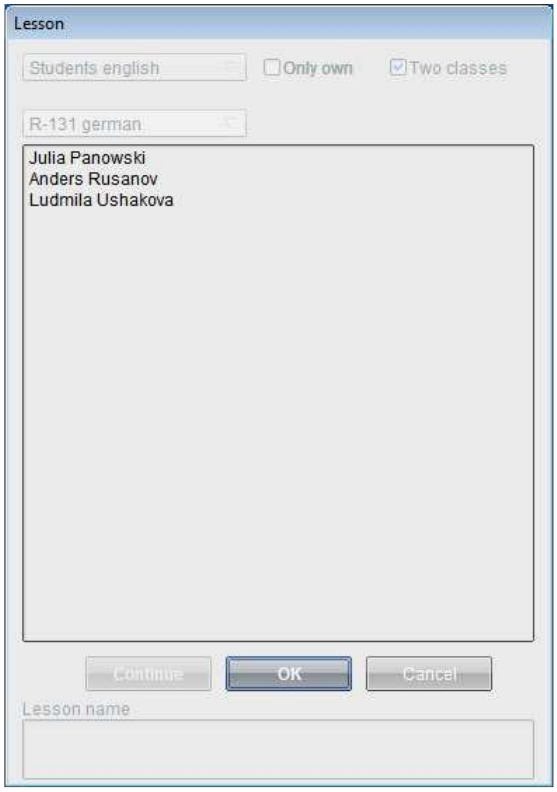
Pic.15

If descriptions are not required then just press button <OK> in pop up window and then press button <OK> in roll-call window. Roll-call procedure is completed**.**

In case if student was delayed then he/she could be registered on the lesson according to following procedure: choose menu **Actions** and then in drop down submenu choose **Late-comers**

Pic.16

Only list of not yet registered students will be visible in pop up window. Press button <Continue> and as far as student names are confirmed then press button <OK>. This record is also saved into data base. Roll-call could be cancelled by pressing on button <Cancel>



Pic.17

2.2. Functional buttons

Pic.18

- **Conference** is intended for bi- directional conversation between teacher and students: teacher hears all students, students hear teacher, but students don't hear each to other;

- **Say to all** is intended for one directional speech providing: students hear teacher, but teacher doesn't hear students, students don't hear each to other;

- **Groups** - creating groups of students. This function is described in part 2.4;
- **Job in groups** - operating mode in groups. This function is described in part 2.5;
- **Player** - virtual player. Operating with this instrument is described in part 2.6;
- **Volume of sound** - control for output volume of teacher's headphones;
- **Self listen** - control for teacher's microphone ON/OFF transferring into own teacher's headphones;
- **Teacher's screen transfer** - is intended providing teacher's screen to students with additional voice and visual drawing. This function is described in part 2.7;
- **Messages** - provide charting functionality with all created groups. This function is described in part 2.8.

2.3. Individual operative mode

Functions, which are described in this part of manual, are applicable only to individual "selected" icon.
Click on icon by combination of left button mouse and button <CTRL> on keyboard for selecting of student place or places and then as result of this action icon or icons are indicated by green color.
Second click of combination by left button and button <CTRL> on keyboard are for deselecting of chosen icons.
Alternatively, click on icon by left button of mouse and select several icons by loop on screen.

Pic.19

Click on necessary icon by right button of mouse and in drop down menu choose **Select** (see Pic.20) for one student selecting. *Individual operative mode* is activated. This icon will be squared by brackets for further described actions applicability.

Pic.20

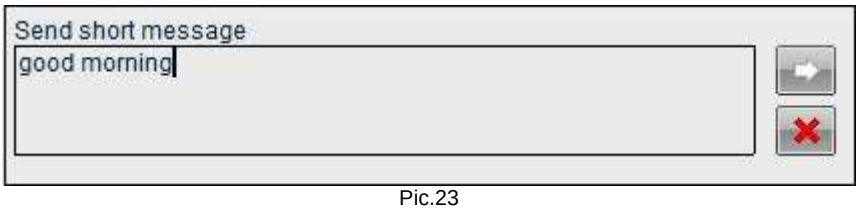
Click on icon by right button of mouse and then choose **Clear**, icon is deselected (see Pic.21).

Pic.21

There are following functions in *Individual operative* menu

Pic.22

- **Message**. As this function is chosen following pop-up window will appear (see Pic.23), where teacher can write message to student individually. Fill in text and then press button for message sending. Press button for text erasing.



Pic.23

Submenu **Audio** (see Pic.24):

-**Listen**. This function has following conditions: ON and OFF. As this function is chosen by check in of sufficient flag, then teacher could hear chosen student in his headphones. Student doesn't know that teacher is connected and student could not hear for teacher;

-**Say**. This function has following conditions: ON and OFF;

- **Dialogue**. This function has following conditions: ON and OFF. As this function is chosen then bi-directional conversation is ON;

-**Heard to all**. This function has following conditions: ON and OFF. As this function is chosen then student could say to all students in group. This function could be activated even if one of function **Listen** or **Say** or **Dialogue** is ON;

-**Record**. This function has following conditions: ON and OFF. As this function is chosen then recording of audio data is in progress. Student is not informed that recording is ON. This function could be activated even if one of function **Listen** or **Say** or **Dialogue** or **Listen all** is ON;

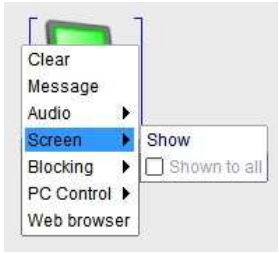
-**Dialogue record**. This function has following conditions: ON and OFF. This function could be activated ONLY if **Dialogue** is ON (pair, three, four, conference is created) and if function **Save** is not activated yet. As this function is chosen then recording of audio data (all students in group and teacher) is in progress. Students are not informed that recording is ON. This function could be activated even if one of function **Listen** or **Say** or **Dialogue** or **Listen all** is ON;

Pic.24

Submenu **Display** (pic. 25):

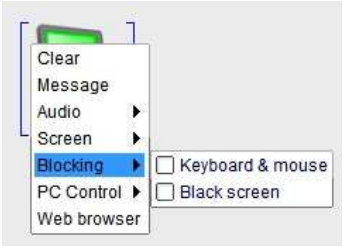
-**Show**. As this function is chosen then student screen is seen to teacher;

- **Show to all**. This function has following conditions: ON and OFF. As this function is chosen then student's screen is transferred to all other students in group, where sufficient student is included;



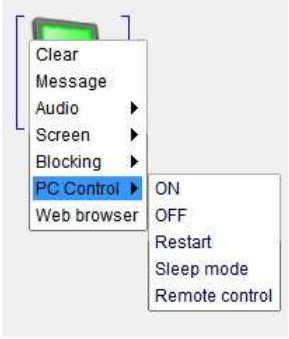
Pic.25

Submenu **Blocking** (see Pic.26):
- **Mouse and keyboard**. This function has following conditions: ON and OFF. As this function is chosen then input controls are blocked for student;
- **Black screen**. This function has following conditions: ON and OFF. As this function is chosen then input controls are blocked for student and student's screen is black;



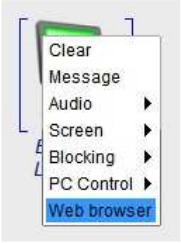
Pic.26

Submenu **PC control** (see Pic.27):
- **ON**. As this function is chosen then sufficient computer is switched on;
- **OFF**. As this function is chosen then sufficient computer is switched off;
- **Restart**. As this function is chosen then sufficient computer is restarted;
- **Waiting**. As this function is chosen then sufficient computer is switched to waiting mode;
- **Remote control**. As this function is chosen then **Programs remote control** window is shown



Pic.27

- **Web browser**. As this function is chosen then web browser window will appear (see Pic.50).



Pic.28

2.4. Groups

Procedure for ***creating of group:***

- Choose student icon or icons, which should be added into group. Icon or icons are chosen if indicators inside icons are colored with green.
- Press button **Groups** and then groups menu is shown in right part of main window (see Pic.29);

Pic.29

- Press button in appeared groups menu;
- Status of this button is changed to:
- Press button of necessary group;
- Sufficient group' letter is appeared on the icons (pic.30, 31)

Pic.30

Pic.31

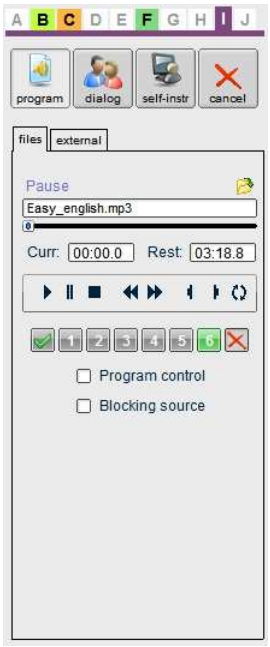
Procedure for ***deleting of group:***

- Press button in groups menu;
- Status of this button is changed to:
- Press button of necessary group.

2.5. Operating in groups

2.5.1. Program

Press button **Job in groups** and then **Operating in groups** menu is shown in right part of main window (see Pic.32), if no one group was chosen then menu is not shown. Bookmarks for all created groups are marked by sufficient colors.



Pic.32

Choose necessary group by click on required bookmark. Teacher could provide required data for any chosen group (audio, video from file or from external device).

Procedure for data transfer to group:

- choose bookmark of required group;
- prepare source of signal by selecting of **Program** and then type of source: **file** or **external** device

In case if source of signal is chosen then following abbreviation is shown on icons:

File- F
External Audio 1- AI
External Video – VI

If file, located on HDD or CD/DVD is source of signal, then make following:

- choose bookmark **file**;
- press on folder symbol ;
- choose file in pop-up window and press button<Open>;
- press button <Play> in the menu

Attention: file is transferred as button <Play> is pressed

Buttons <Stop>, <Pause>, <Fwd>, <Rew> are operating with same principle as standard player.

In case if whole file should be played around then press button

In case if part of file should be cycled then press buttons and as start and end of fragment and then press button.

Chosen fragment will be played around.

In case if markers are required for played file then:

- press button ;
- press sufficiently buttons , etc (up to 6 markers could be installed) when necessary in places of playing.

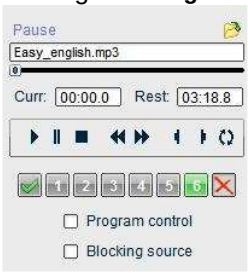
Buttons of installed markers are yellow color indicated.

Installed markers could be deleted by following procedure:

- press button ;
- press sufficiently buttons , etc

Teacher could listen of played file in headphones if flag **Program control** is chosen.

Transferring of audio file could be blocked if flag **Blocking source** is chosen

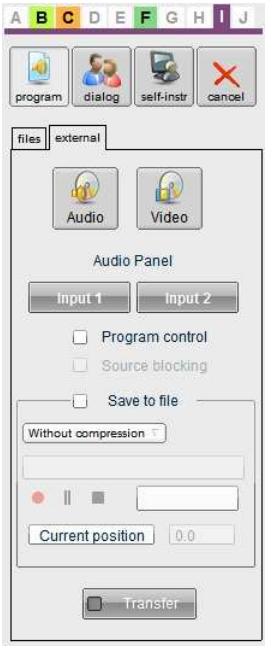


Pic.33

If data, from external device is source of signal, then make following:

- choose bookmark **external;**
- then select **Audio Input 1** or **Audio Input 2** (depends on source of signal connection);
- insert CD or cassette into external device and press button <Play> of this device;
- check flag **Transfer.**

Attention: data is transferred as flag **Transfer** is checked. Uncheck flag **Transfer** to stop data providing to students.



Pic.34

Teacher could listen of played file in headphones if flag **Program control** is chosen.

Transferring of audio file could be blocked if flag **Blocking source** is chosen.

Data, transferred from external audio devices could be saved onto HDD of computer with one of following extension: WAV, OGG or MP3.

For these purpose make following:

- select bookmark **Audio Input 1** or **Audio Input 2**;
- check flag **Save to file** ;
- choose compression type;
- start track on external device;
- press button in application menu.

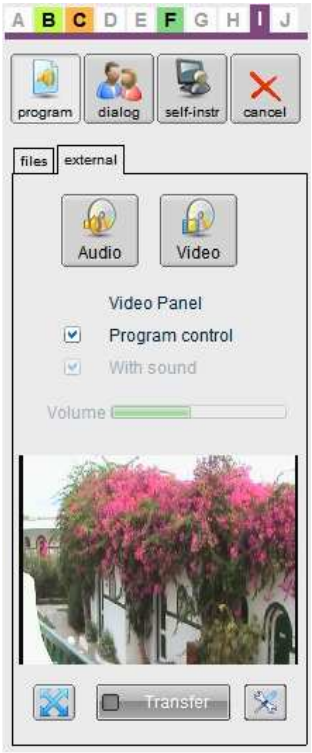
Recording is started to file named with date and time of recording and file is saved into teacher's folder.

Buttons <Stop>, <Pause>, <Fwd>, <Rew> are operating with same principle as standard player.

If external video device is source of signal, then make following:

- choose bookmark **external**;
- then select **Video**;
- start source of video data, which is preliminary adjusted as described in sufficient part of document "**INSTALLATION MANUAL**";
- check flag **Transfer**.

If video data is visible as shown on Pic.35 then data is transferred to students. If data is invisible, then press button and make correct settings for type of device which is source of video data.



Pic.35

Teacher could see of played file in window if flag **Program control** is chosen (this flag is checked by default). Teacher could see and listen of played file in case if both flags **Program control** and **With sound** are chosen. Regulator **Volume** is controlling audio volume of transferred audio data of played file.

Press button in case if increased video window is required.

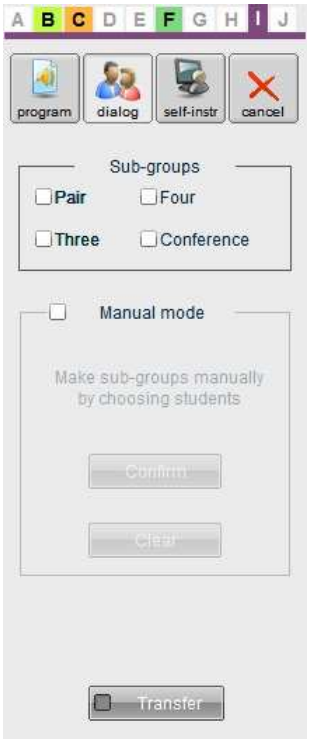
Uncheck flag **Transfer** in case if video data should be stopped.

2.5.2. Dialogue

Automatic creating of subgroups should be organized in following sequence:

- select **Dialog** for necessary group;
- check flag **Pair**, **Three**, **Four** or **Conference** depends on mode of conversation;
- check flag **Transfer**.

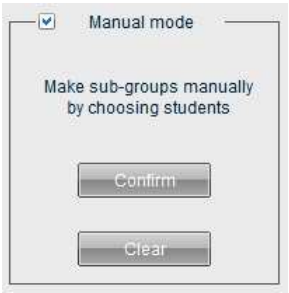
As flag **Transfer** is checked then subgroups are created and students continue working in Dialogue mode. All other actions are cancelled in this moment.



Pic.36

Manual creating of subgroups should be organized in following sequence:

- select **Dialog** for necessary group;
- check flag **Manual**;
- select icons, which should be included into subgroup and press button <Confirm>;
- check flag **Transfer**.



Pic.37

Attention: if flag **Transfer** was not checked then subgroups are not created.

2.5.3. Self testing

Teacher could block or unblock Players on student's places. It depends on tasks of lesson and own teacher's wishes. For this purpose teacher should check flag **Transfer** in the bookmark **Self-instruction**

Pic.38

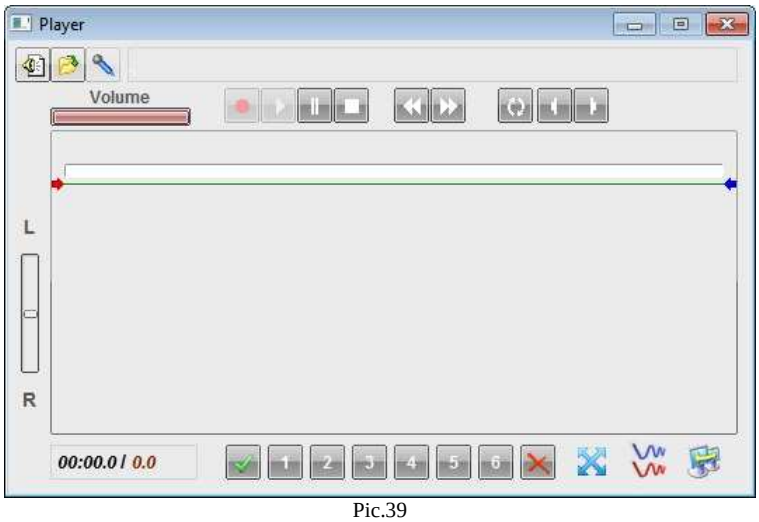
2.5.4. Cancel

Cancel

is intended for reset of all previously configured tasks for chosen group.

2.6. Player

Press **Player** and then following window will appear



Pic.39

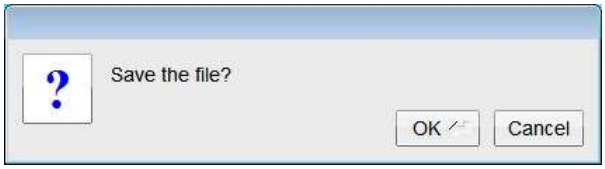
Procedure ***Create new file***

Press button and then in next pop-up window fill in name and place for new file location. By default program creates file in teacher's folder with following data in name: date and time, when file is created.

Press button - for start of recording

Press button - for stop of recording

As far as recording is stopped then following window will appear



Pic.40

Press button <OK> and file will be saved. In case if button <Cancel> is pressed then record will be lost.

Procedure ***Play file***

Press button and then in next pop-up window choose file which should be played.

Buttons <Stop>, <Pause>, <Fwd>, <Rew> are operating with same principle as standard player.

In case if whole file should be played around then press button

In case if part of file should be cycled then press buttons and as start and end of fragment and then press button.

Chosen fragment will be played around.

In case if markers are required for played file then:

- press button ;
- press sufficiently buttons , etc (up to 6 markers could be installed) when necessary in places of playing.

Buttons of installed markers are green color indicated.

Installed markers could be deleted by following procedure:

- press button ;
- press sufficiently buttons , etc

Procedure ***Record to second way***

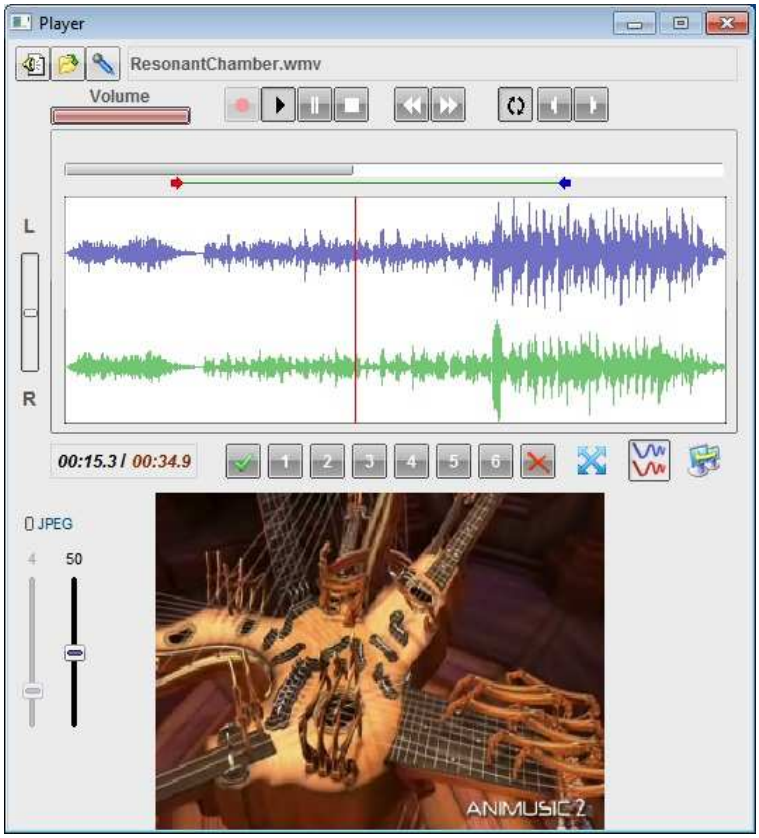
Press button and then in next pop-up window choose file and press button <Open>

Then press button <Play> and then button . Recording is in progress.

Recording could be stopped by pressing on button.

Each sound file could be played with frequency spectrum presentation.

Press button <Audiograph> and following view of 2-ways records file will appear



Pic.41

There is a balance regulator on the left side of this window and by controlling of it (up or down), volume in left or right headphone sufficiently could be decreased or increased depending on regulator position.

Press button and played audio, video data or both, depends on type of file, is transferred to chosen student's computers.

Press button and in case if video file is played then increased window is appeared for better video data presentation. Top menu consists of control buttons which could be used for data transfer and window decreasing.

Pic.42

2.7. Teacher's screen to students

Make following for this mode activating:

- select students;
- press button ;

Teacher's screen is transferred to separate window on student's computers.

There is a panel with following controls is available on the teacher's screen in this mode:

- start/stop transfer

- pause

-continue

- sound transfer

- draw

- eraser

- pencil

- text

- line

- ellipse

- rectangular

- line thickness, sufficiently 1,2,4 or 8 pixels

- color choice

G or **D** – type of video data grabbing, sufficiently GDI or D3D

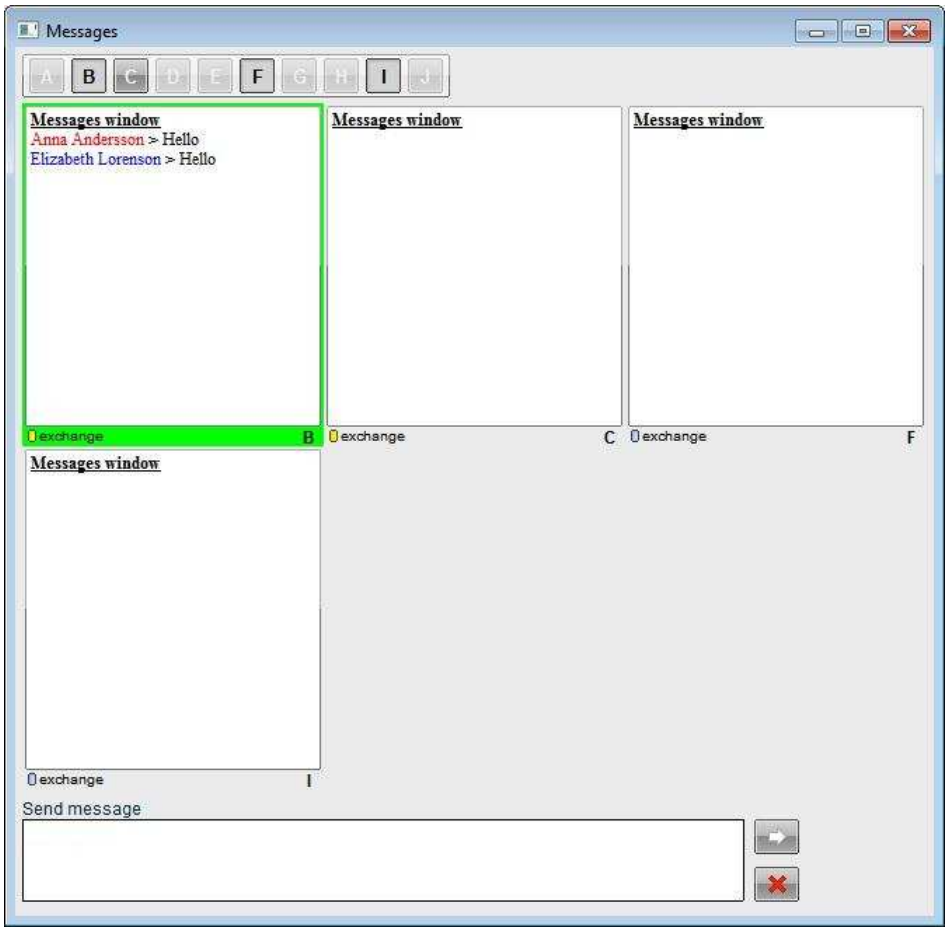
Attention:

GDI is intended for integrated video adapters,

D3D is intended for external (AGP or PCI-e) video adapters.

2.8. Chat

There is at least one group should be created for start of chat. In case if group is created press button and then following pop-up window will appear



Pic.43

There is a list of groups located in the top of opened window.

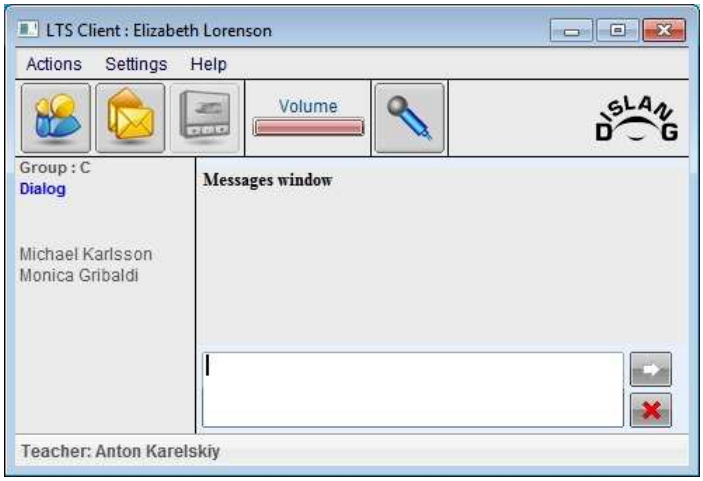
There are active and inactive indicators are available, for example:

– inactive indicator, this group is not created;

– active indicator, this group is created.

Groups' window, marked by green color is available for charting at current moment.
Use *Send message* window to fill in text and press button for sending message to chosen group
Press button in case if filled in text should be cancelled.

Check activating flag on necessary group window and chat windows are appeared on student's places.
Yellow indicator means that chat window is activated on student's places (see Pic.43).



Pic.44

All chat windows have same structure: history of chat, send message window and buttons:

- button <Send message>

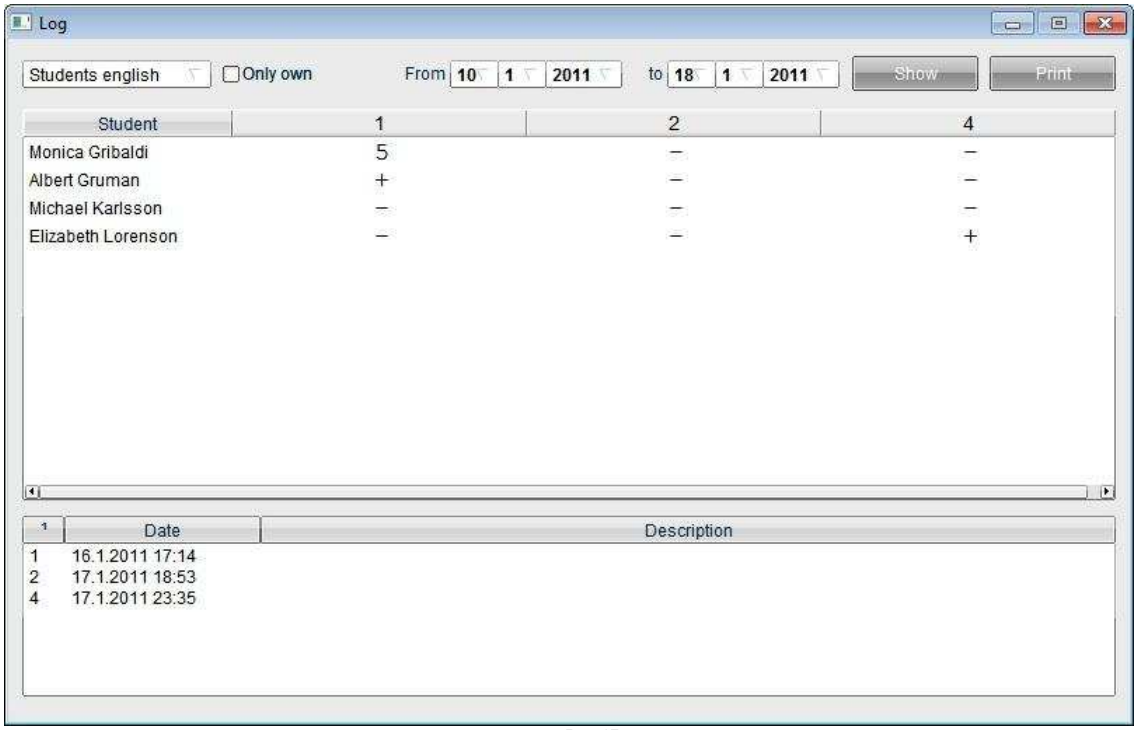
-button <Clear>

2.9. Log

Log is a combination of attendance and grades based on roll-calls and data which is added by each teacher personally.

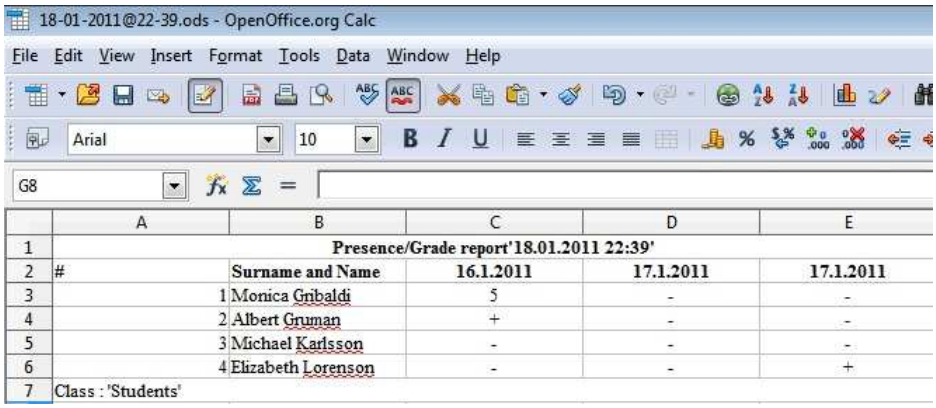
Grades could be added only in case if student was attended and symbol “+” is present in sufficient field of the log.
Grades could be added by click on required field and following data fill in into appeared window.
Limited data could be shown by choosing of required class, interesting begin and end dates and by checking of flag Only own *classes.*

As far as parameters are chosen then press button <*Show*>



Pic.45

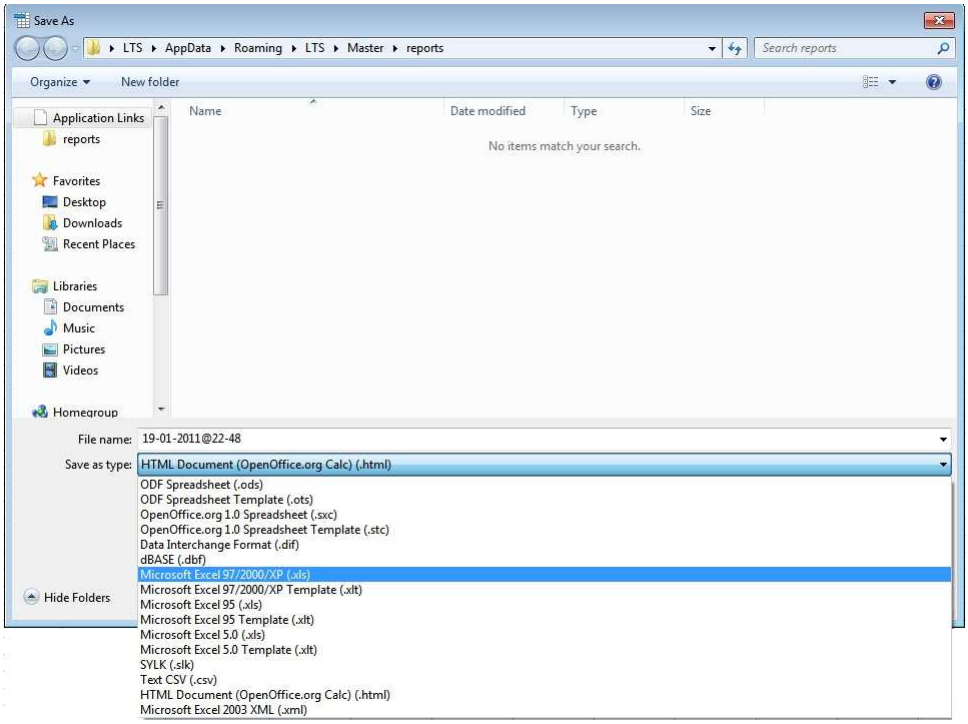
Press button <Print> in case if configured table should be printed out.
File *.xls format is opened by **Calc** program (*Open Office*), where data could be corrected if necessary and then finally printed out.


18-01-2011@22-39.ods - OpenOffice.org Calc
File Edit View Insert Format Tools Data Window Help
Arial 10
G8
Presence/Grade report'18.01.2011 22:39'
Surname and Name 16.1.2011 17.1.2011 17.1.2011
1 Monica Gribaldi 5 - -
2 Albert Gruman + - -
3 Michael Karlsson - - -
4 Elizabeth Lorenson - - +
Class : 'Students'

Pic.46

Configured files are stored in folder <C:\ProgramFiles\LTS-Master\Media\Report>

File could be saved in any supported by **Calc** program format.
For this purpose choose interesting file and press button <*Open*> and then press <Save as>
Fill in new name and extension, if necessary, and save corrected file
All grades are saved into data base.

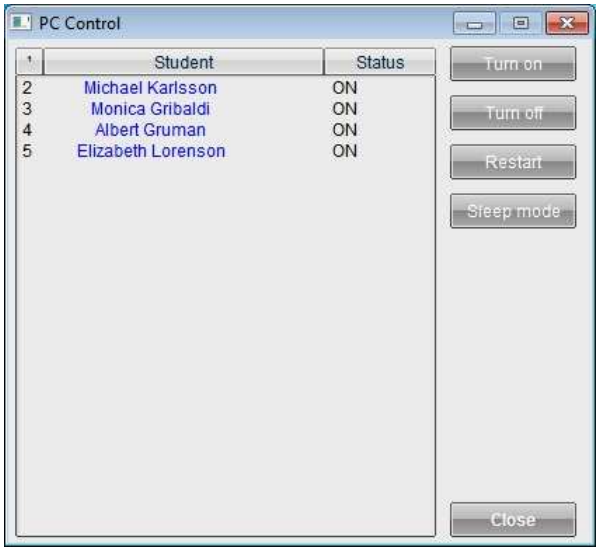


Pic.47

2.10. PC control

2.10.1. Functions

Control of selected student's computers is provided by choosing of drop down submenu **Operations** in menu **Control PC**. As far as submenu is selected then following window will appear



Pic.48

Select necessary student by click on sufficient name and then press required button <ON>, <OFF>, <Restart> or <Sleep mode>

Press button <Close> for exit from this window.

2.10.2. Blocking

Blocking of selected student's computers is provided by choosing of **Keyboard and Mouse** or **Black screen** in submenu **Blocking** of menu **Control PC**

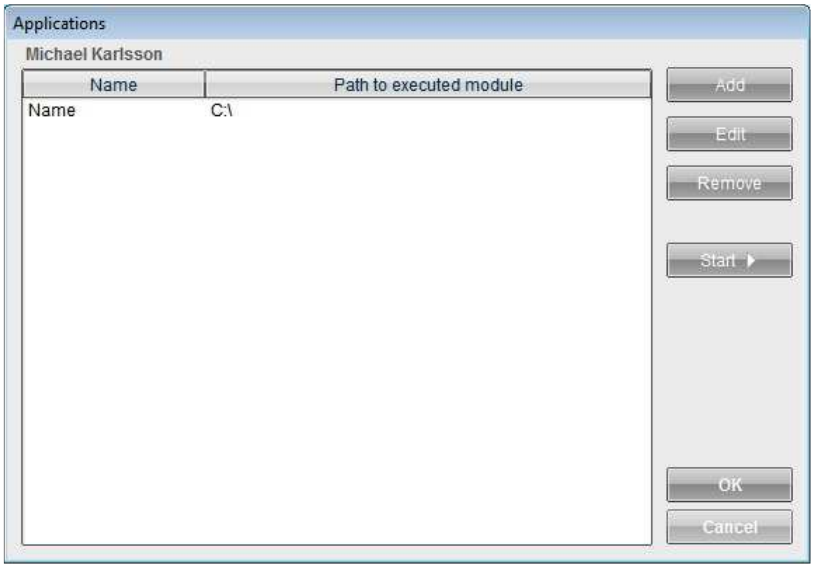
There are following indications are visible on icons

Pic.49

2.10.3. Programs

2.10.3.1. Remote control

For selected students choose submenu **Programs** in menu **Control PC** for access to programs remote control functionality. Following window will appear

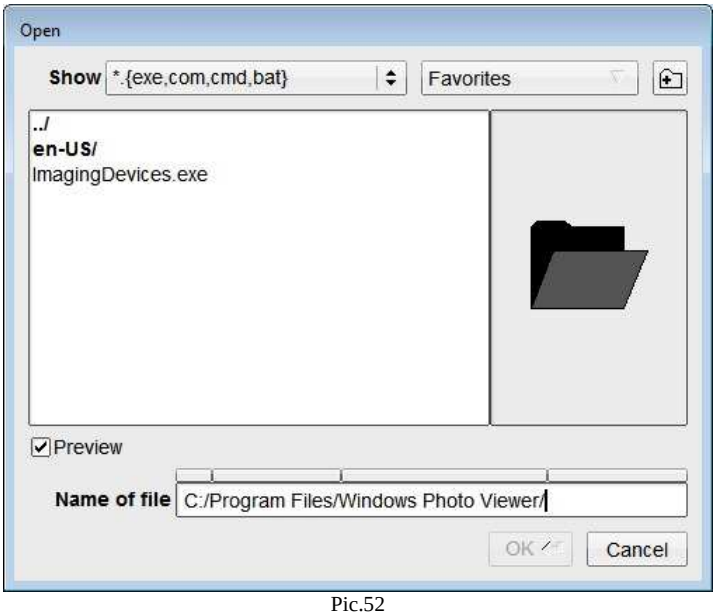


Pic.50

In case if button <*Add*> is pressed then following window will appear, where button <find>, should be pressed to identify path to program which is required to be started:

Pic.51

Select start file of program which should be run and then press button <OK>

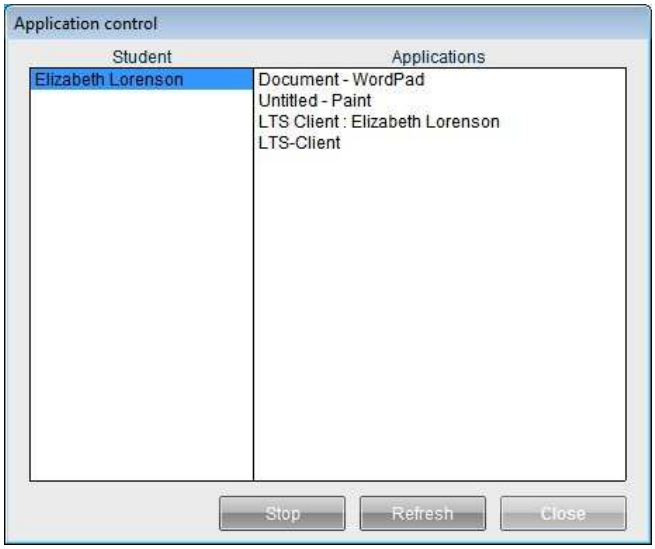


Pic.52

Path to program is identified. Press button <OK> and then in window **Applications** press button <Start>. Application is started.

2.10.3.2. Application control

For selected students, which list of started applications should be controlled, choose submenu **Programs** in menu **Control PC**. Following window will appear



Pic.53

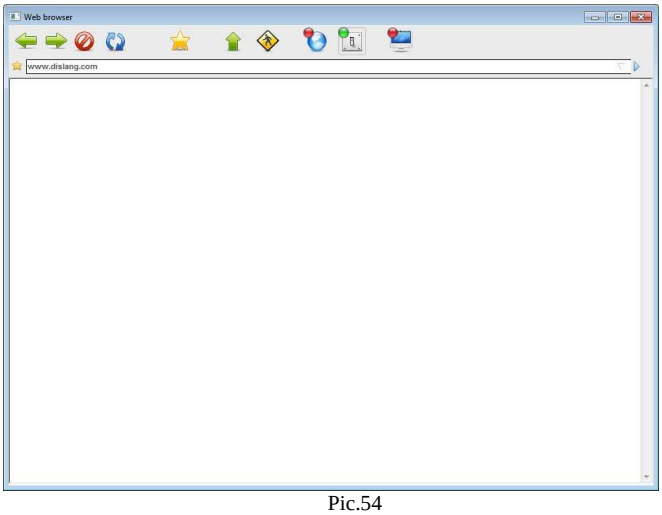
Select required student from the list in the left part of window and then list of started applications is shown in right part of this window. Choose required application and then press button <Stop>, in case if application should be stopped.

List of started applications could be updated by pressing on button <Refresh>.

Press button <Close> for exit from this window.

2.10.3.3. Web browser

Teacher could provide restricted (controlled) access to Internet for selected students. Choose **Web browser** in submenu **Programs** of menu **Control PC**. Following window will appear



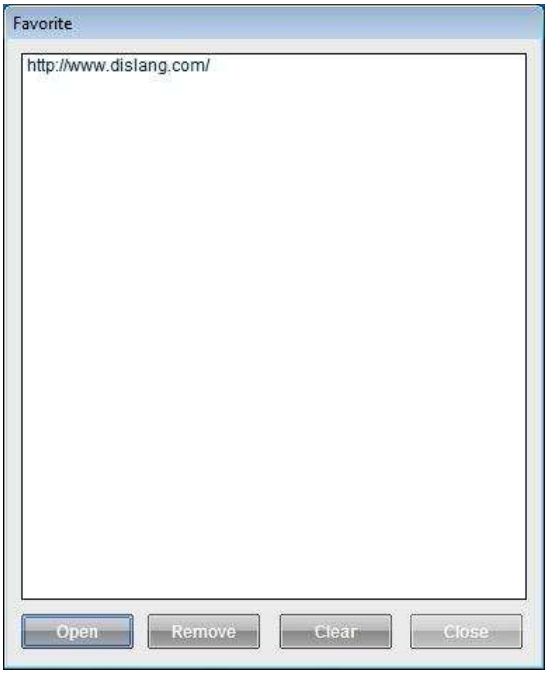
Pic.54

There are following controls are available in the teacher's web browser:

- move to the next page;
- move to the previous page;

- stop page loading;
- update current page;
- bookmarks window;
- open current page in the student's browsers;
- mode *Follow me*, where all opened pages in teacher's browser are opened in students' browsers;
- wrap/unwrap of students' browser windows;
- ON/OFF of instrument panels in students' browsers;
- all teacher's actions (move cursor, etc) are repeated in students' browsers

Interesting web pages could be chosen from bookmarks list:

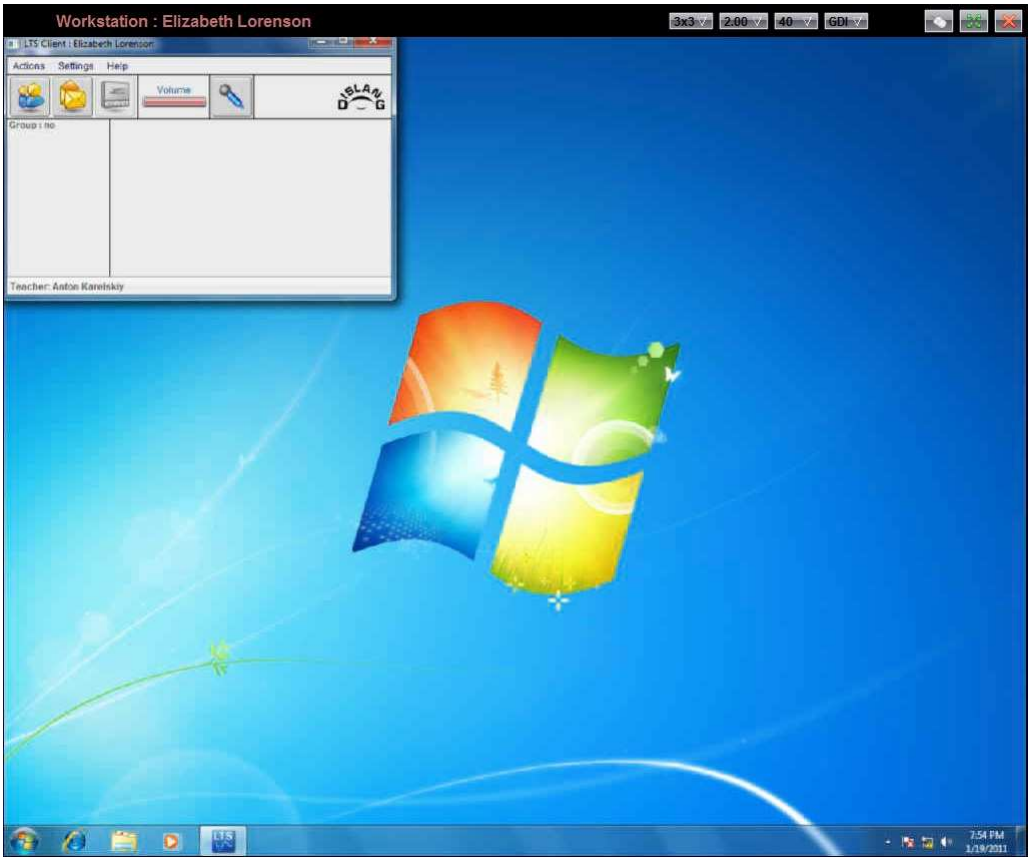


Pic.55

<Open> - open chosen link to web site from list
<Remove> - delete chosen link to web site from list
<Clear> - delete all saved links
<Close> – close window with links

2.10.4. Students overview

For selected students, which screens should be overviewed, choose submenu **Students overview** in menu **Control PC**. Following window will appear



Pic.56

Click on one of small window of student's screen and then increased view of this screen is shown in the central part of Students overview window.

There are following controls located in the top part of this window:

Pic.57

- ON/OFF controlling of chosen student's computer;

- wrap/unwrap student's overview window;

- close window.

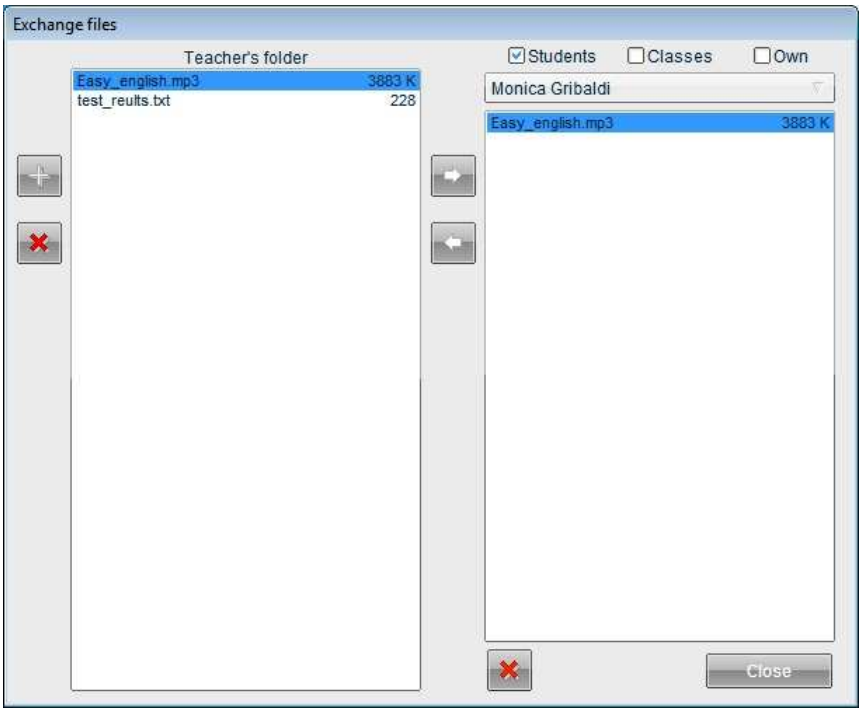
Adjust quality of transferred students' screens by following parameters:

- sufficiently filter size, filter factor and compression quality

2.10.5. Files exchange

Choose menu **Control PC** and then in drop down list select **Files exchange**.

Following window will appear



Pic.58

Left side of the window is intended for operating with teacher's files and right side is for students' files.

Press button in left side of the window to add file into teacher's folder. In opened window select files, which should be copied to teacher's folder and press button <Open>.
Chosen files are visible in the teacher's files folder.

Press button in the left side of the window, in case if files should be deleted from teacher's list.

Choose file in the teachers folder and then press button to add file into the student's or class's folder (depends on the check flag type: Students or Classes).
List of students or classes could be restricted by flag Own.

Choose file in the student or class folder and then press button to add file into the teacher's folder

Press button in the right side of the window, in case if file or files should be deleted from student's or class's list.

Press button <Close> for exit from this window.

2.11. Exit LTS Master

End lesson
Choose menu **Actions** and in drop down list press *End lesson*.

End session
Choose menu **Actions** and in drop down list press *End session*.

Exit
Choose menu **Actions** and in drop down list press *Exit*.

Press button <OK> in following window:

Pic.59

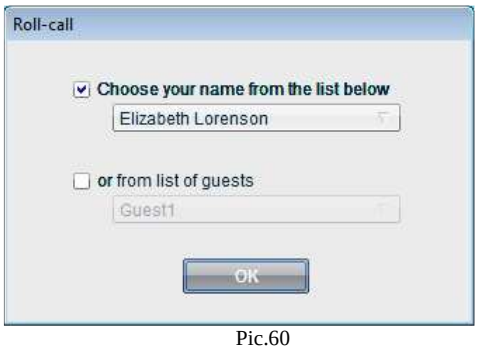
Press button <Cancel> in case if it's not necessary to close **LTS Master** Application.

3. Application LTS Client

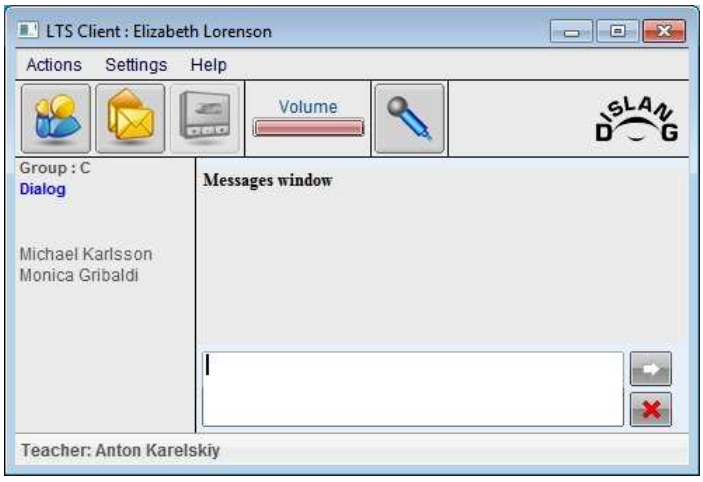
3.1. Operating descriptions

Run **LTS Client** application by double click on Client icon located on the desktop or `Client.exe` file located on path: <C:\ProgramFiles\LTS-Client>

Following window will appear



Pic.60



Pic.61

Operating is started with roll-call procedure, which is described in part 2.1 of this document.
As far as roll-call is started pop-up window is appeared.
Student should select own name from drop down list and press button <OK>.

Check flag Guests list and in drop down list select Guest1 or Guest2 or Guest3 in case if **LTS Client** is used by non-registered student.

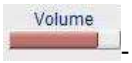
Attention: all records, which are created by Guest are saved into temporary folder and will be erased as lesson is completed.

There are following controls are available in the **LTS Client** window:

- **Personal call to teacher**. Student could pay teacher's attention by pressing on this button. Sufficient student's indicator is colored with red ;

- **Personal message to teacher** Pop-up message box is appeared on the sufficient student's icon as message was sent to teacher;

- **Player** Operating with this instrument is described in part 2.6. This instrument is blocked till teacher provides access to self-instruction mode.

-Volume of sound 

- control for output volume of student's headphones;

-Self listen - control for student's microphone ON/OFF transferring into own headphones.

Following window will appear as teacher switched ON for message exchange mode:

Pic.62

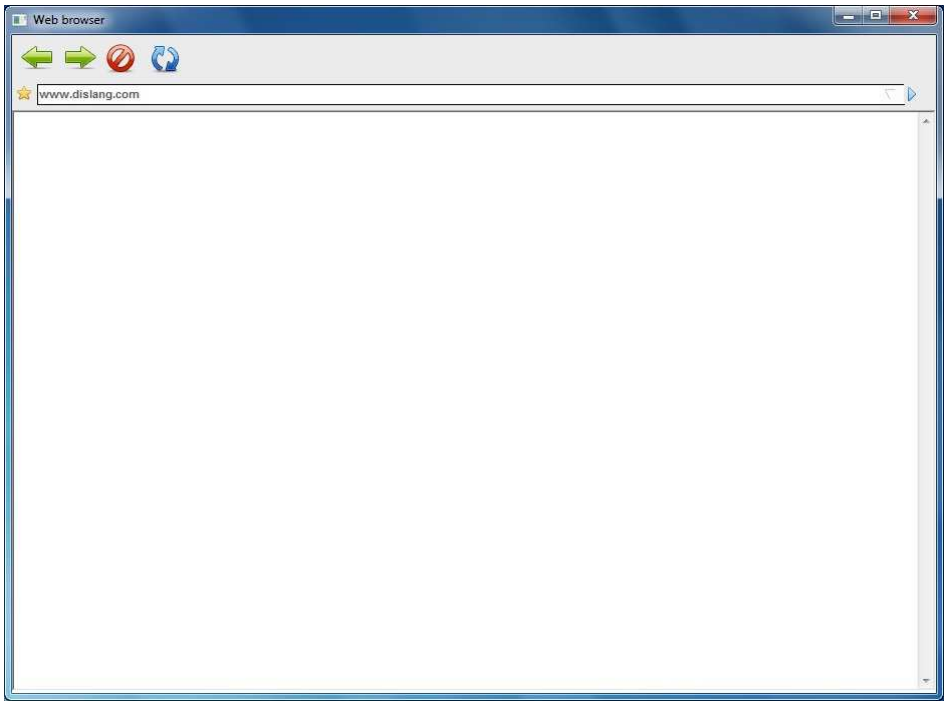
Написать короткое сообщение преподавателю – окно ввода текста учеником

- button <Send message>
- button <Clear message>

There is a following data available in the LTS Client window:

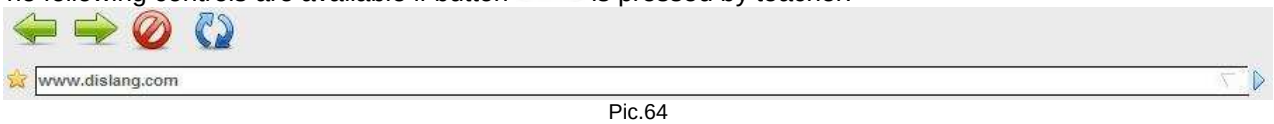
- number of group (if student is included into one of group);
- operating mode;
- list of student whose are in the same group with this student.
-

Web browser window has following view as far as it was started by teacher



Pic.63

The following controls are available if button is pressed by teacher:



Pic.64

- move to the previous page;

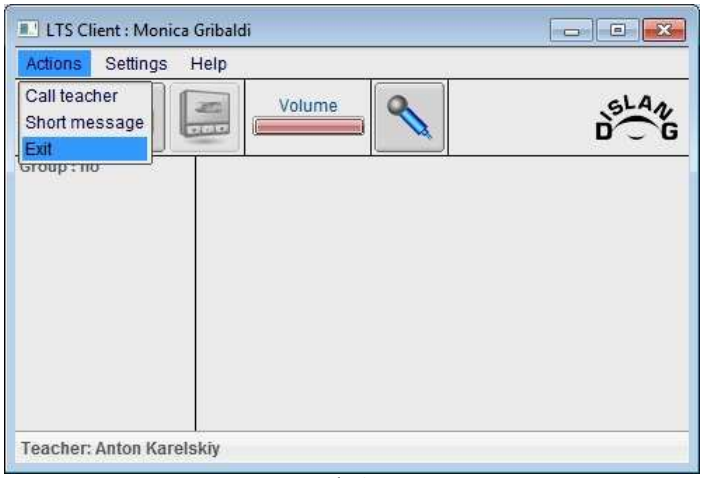
- move to the next page;

- stop page loading;

- update of current page

3.2. Exit LTS Client

Choose menu **Actions** and in drop down list press *Exit*.



Pic.65